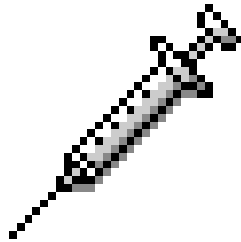


VACMAN
Vaccine Management Software
version 2.53 for Windows



National Immunization Program
Centers for Disease Control and Prevention

Updated Feb. 29, 2000

What can you do with VACMAN?

- Place vaccine orders with CDC
- Manage project vaccine inventory
- Track distribution to/from providers
- Maintain provider profiles
- Maintain other data from providers (doses administered data, provider inventory data, vaccine reported as wasted or transferred)

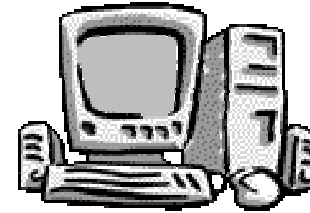


Who uses VACMAN?

- 60 of the 64 immunization projects (all 50 states, some U.S. cities, some U.S. territories).
- All 60, bulk orders and varicella orders to CDC.
- 40+ projects, distribution to/from providers.
- 25-40 projects, doses administered.
- < 20 projects, provider inventory.
- Approximately 500 total users.



VACMAN software



- developed and maintained by the Data Management Division (DMD), National Immunization Program (NIP) at the Centers for Disease Control and Prevention (CDC)
- written using FoxPro 2.6 (1994, Windows 3.1)
- runs under Windows 3.1, 95, 98, NT
- runs on standalone PC, or in a multi-user environment on a local area network (LAN)
- interacts with CDC by dialing into a bulletin board service using a modem

CDC Vaccine Ordering System

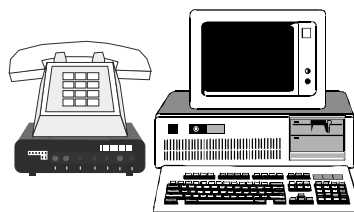
VACMAN at Immunization Projects



Enter vaccine orders into PC-based VACMAN. Enter receipts for bulk orders. Transmit to CDC via modem. Review status of orders. Manage inventory, distribution and accountability.

NIP Exchange at CDC/NIP

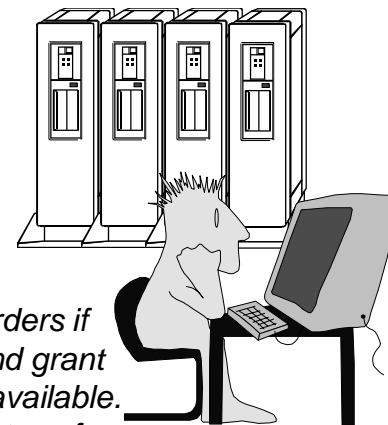
*Transmit via
modem*



PC-based NIP Exchange manages dial-in connections from Imm. Projects using electronic bulletin board. Collects vaccine order & receipt data, and returns status of previous orders. Exchanges data with mainframe via FTP every weekday morning (6 a.m. EST).

Mainframe at CDC/IRMO

*Upload &
download files
daily via FTP*



Approve orders if contract and grant funds are available. Review status of orders. Modify orders.

Exchange vaccine order and invoice files with manufacturers, via EDI. Exchange files with CDC financial/accounting system.

NIPVAC

The Process for Vaccine Orders

VACMAN at Immunization Project



Enter vaccine order into VACMAN. Review status.
Review receiving data (bulk).
Review shipping data (varicella).

Transmit to CDC via modem:
Send vaccine order. For bulk order, send receiving data.

Transmit to CDC via modem:
Get status of order.
Get shipping data (varicella).

CDC Atlanta



NIPVAC



Accept order if contract and grant funds are available.

Imm. Project Depot



Verify bulk shipment. Enter receiving data into VACMAN for bulk shipment.
Distribute vaccine to Provider.

Provider



Distribute to Provider

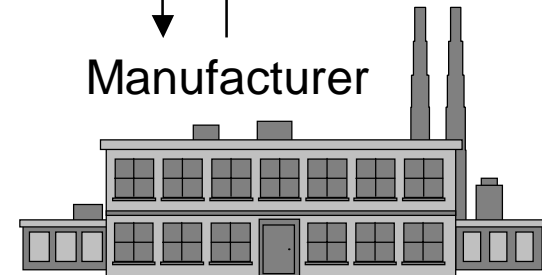
Ship in bulk

Ship directly to Provider (varicella only)

Send approved order via EDI

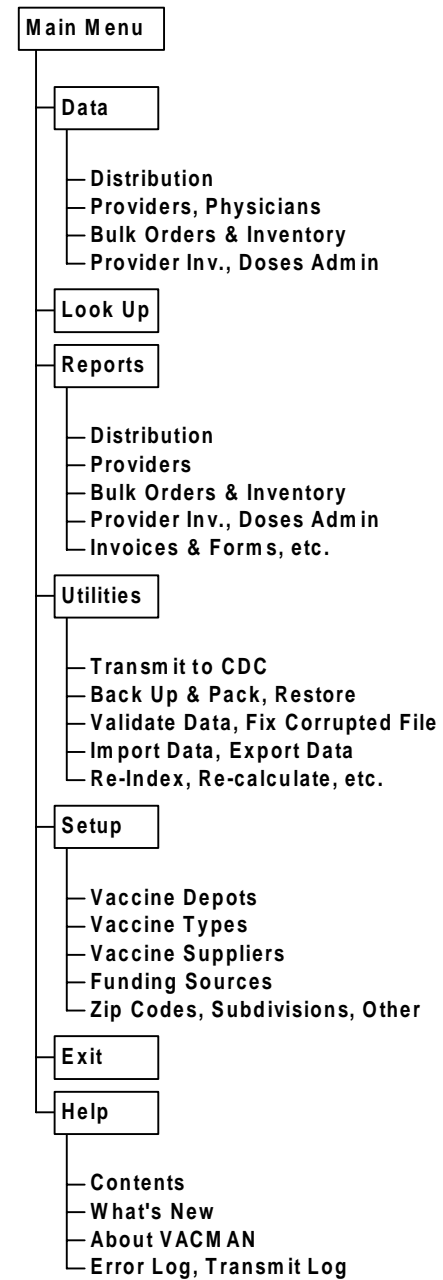
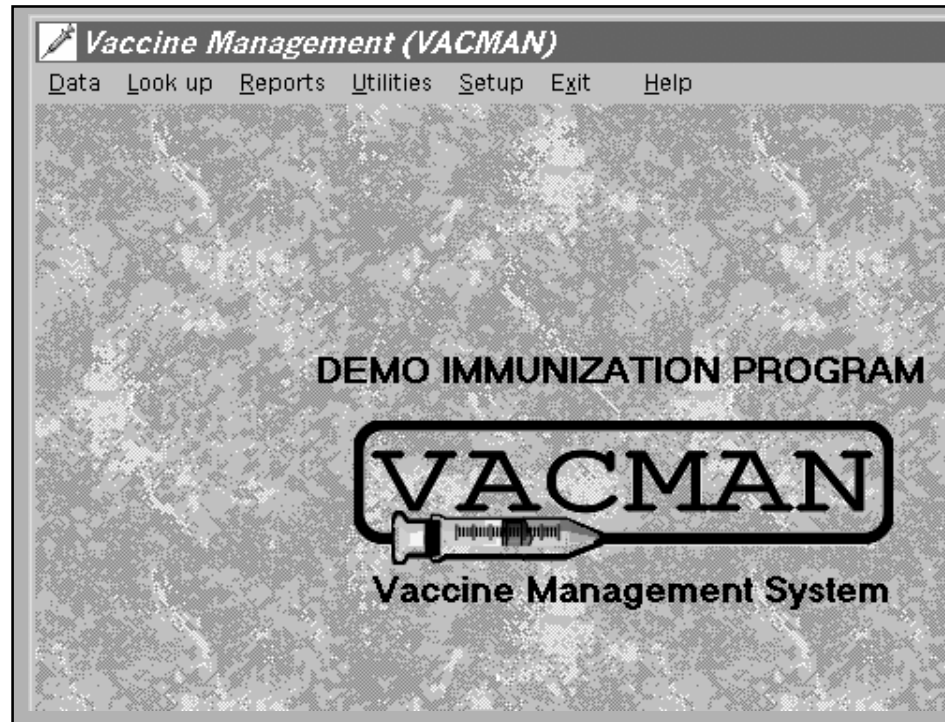
Send shipping data via EDI (varicella only)

Manufacturer

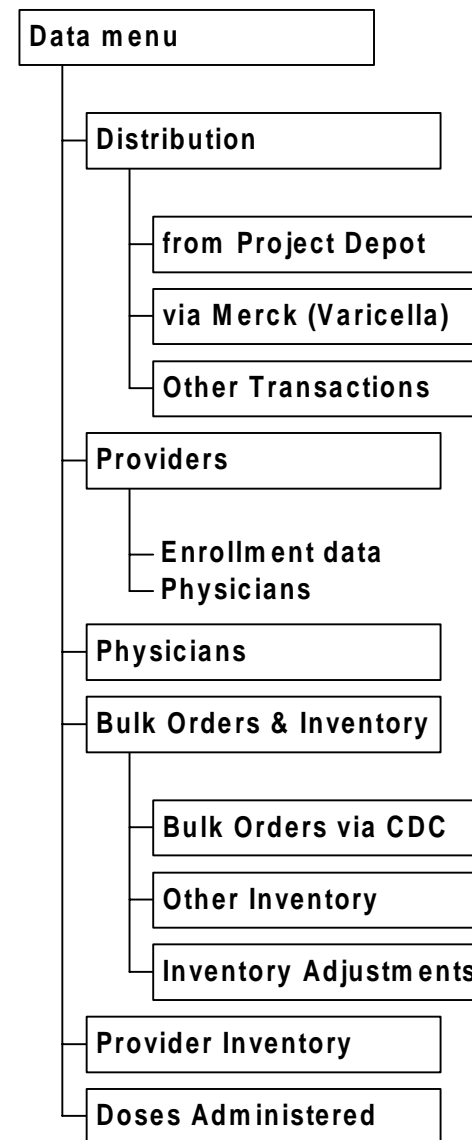
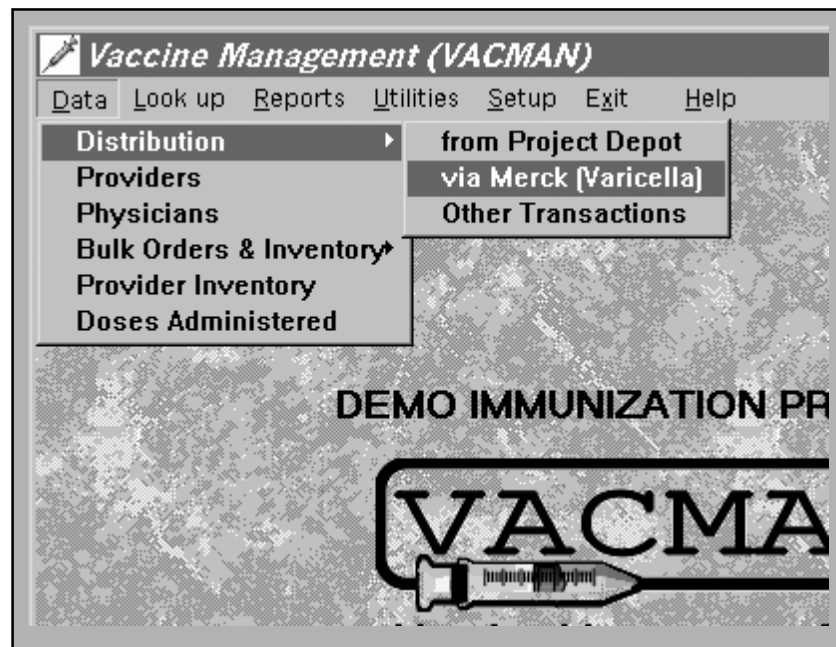


Fill order and ship to State Depot (bulk orders), or ship directly to provider (varicella orders).

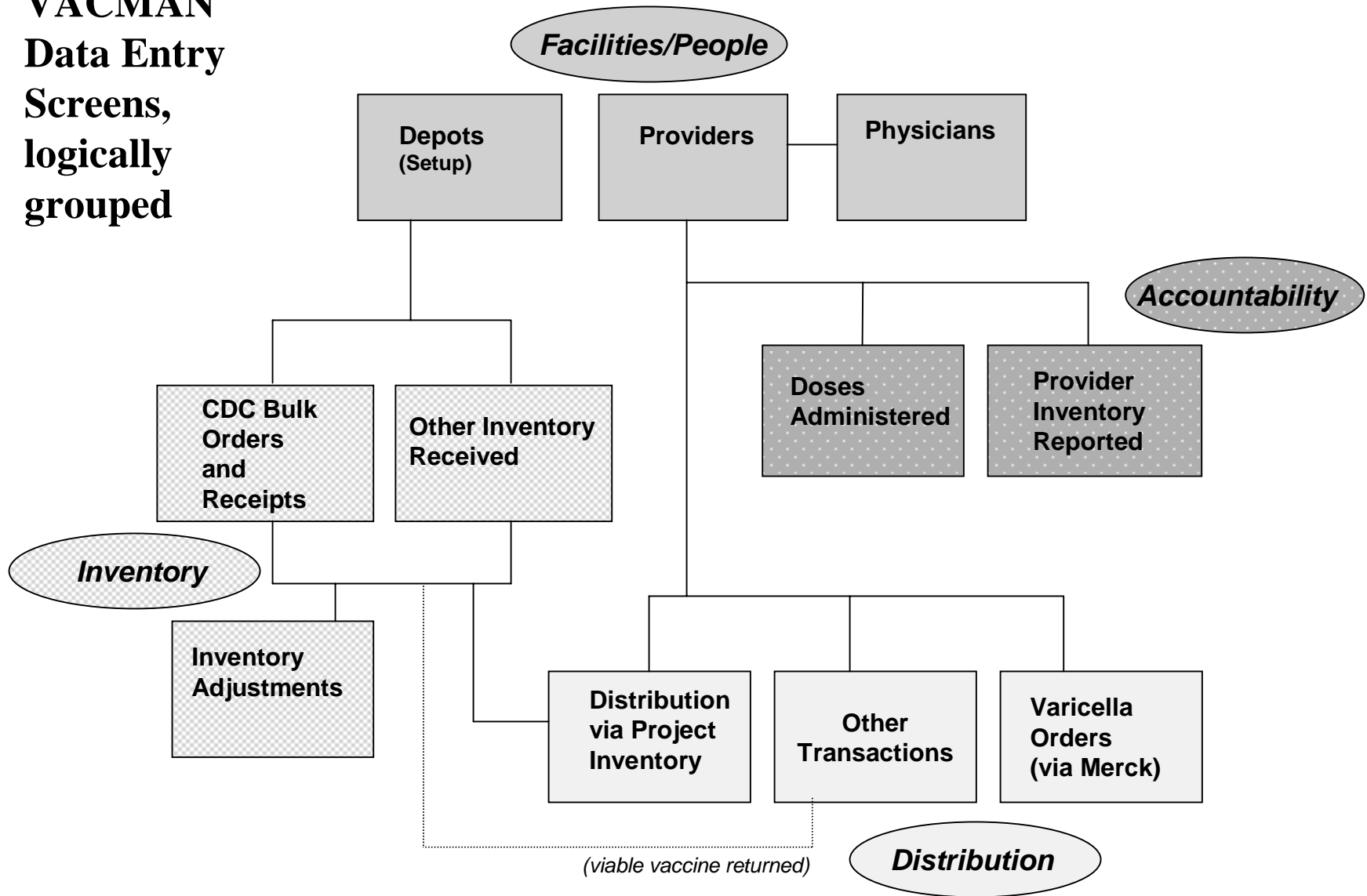
VACMAN main menu



VACMAN data entry screens



VACMAN
Data Entry
Screens,
logically
grouped




Look up


- * may be used during data entry or while running reports
- * gives summary of various types of information for a provider


Vaccine Management (VACMAN)


Data Look up Reports Utilities Setup Exit Help


Look Up Provider

PIN: 

Provider's Name: 

Area Code and Phone: 

MEDICAID #: 

Physician's Name: 

Vaccine Management (VACMAN)

Data Look up Reports Utilities Setup Exit Help

Look Up Provider

PIN: 208 Bay St Clinic
 Class.Code: 24
 Phone: (404) 555-1212 Fax: (404) 555-6789 Updated: 02/28/2000 EAW5
 MEDICAID #:

Provider Name, Shipping Contact & Address, PIN: Provider Name, Mailing Contact & Address, PIN:
 Bay St Clinic 208 Bay St Clinic 208
 SHIPPING CLERK OFFICE CLERK
 101 MAIN STREET 101 MAIN STREET
 SAVANNAH GA 31401 SAVANNAH GA 31401

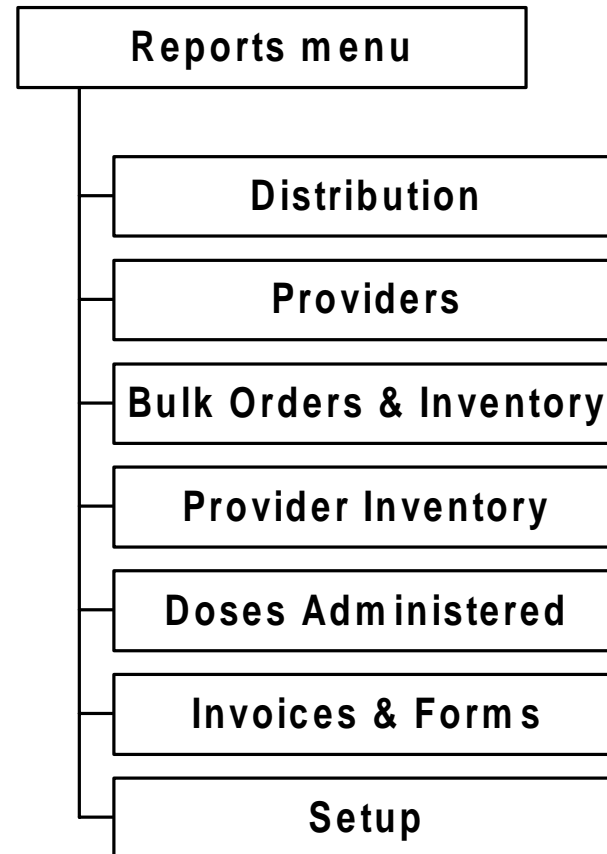
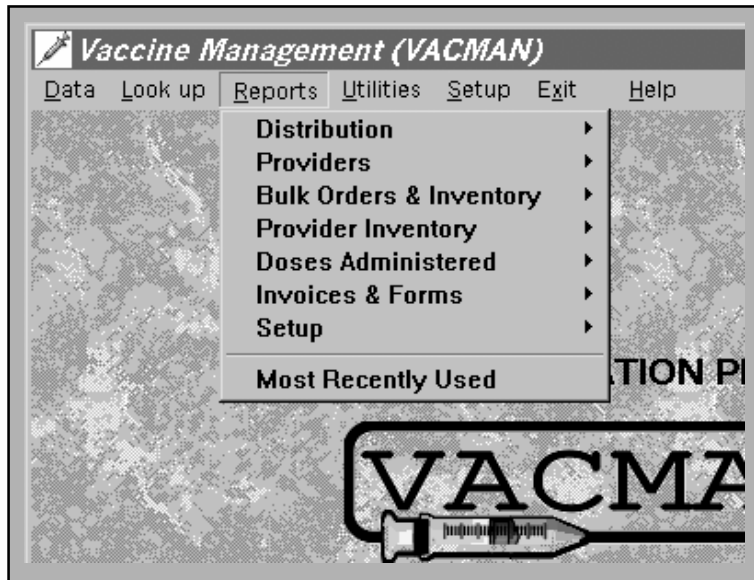
Shipping Instructions: NONE
 Private Notes:

Enrollment:	< 1 Year Old	1-6 Years	7-18 Years	County:
Total Children:	100	200	400	CHATHAM
VFC Eligible:	80	160	320	AUDITOR: MARIA
317 Eligible:	6	12	24	SPECIAL: YES
State Eligible:	8	16	32	PRAC TYPE:
VFC Certified:	01/31/2000			Active? Y
				Varicella? Y

VACMAN

Reports

(the big picture)



VACMAN

Reports

(Distribution
and
Bulk Orders
& Inventory)

Reports menu

— Distribution

- Individual Transactions
- Summary by Vaccine
- Summary by Lot Number
- Doses Distributed vs. Administered
- Number of Shipments to Providers
- Overrides (Excess Shipments)
- Varicella Orders Entered, Not Transmitted
- Varicella Orders Transmitted, Not Shipped
- Varicella Shipped by Merck

— Providers

— Bulk Orders & Inventory

- Short Expiration Dates
- Low Balances
- Inventory on Hand
- Summary by Vaccine
- Inventory Received from Manufacturers
- Inventory Received vs. Doses Distributed
- Bulk Orders Entered, Not Transmitted
- Bulk Orders Transmitted, Not Received
- Other Inventory Not Received
- Inventory Adjustments

— Provider Inventory

— Doses Administered

— Invoices & Forms

— Setup

VACMAN

Reports

(Providers,
Provider Inventory,
Doses Administered)

Reports menu

- Distribution
- Providers
 - Provider Listings
 - Quick Phone List
 - Detailed List of Providers
 - List with Addresses
 - Enrollment Data
 - Summary Enrollment Data
 - Provider Physicians
 - User-Defined Category 1
 - User-Defined Category 2
 - User-Defined Category 3
- Bulk Orders & Inventory
- Provider Inventory
 - Individual Records
 - Provider Reported vs. Computed Inventory
 - Providers Not Submitting Provider Inventory Data
- Doses Administered
 - Individual Records
 - Summary by Age Categories
 - Summary by Vaccine
 - Doses Distributed vs. Administered
 - Providers Not Submitting Doses Administered Data
- Invoices & Forms
- Setup

VACMAN

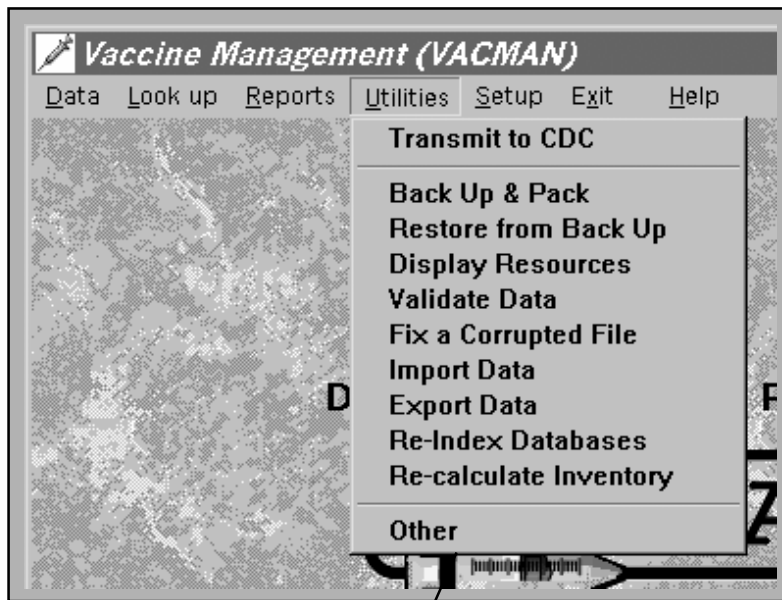
Reports

(Invoices & Forms,
Setup)

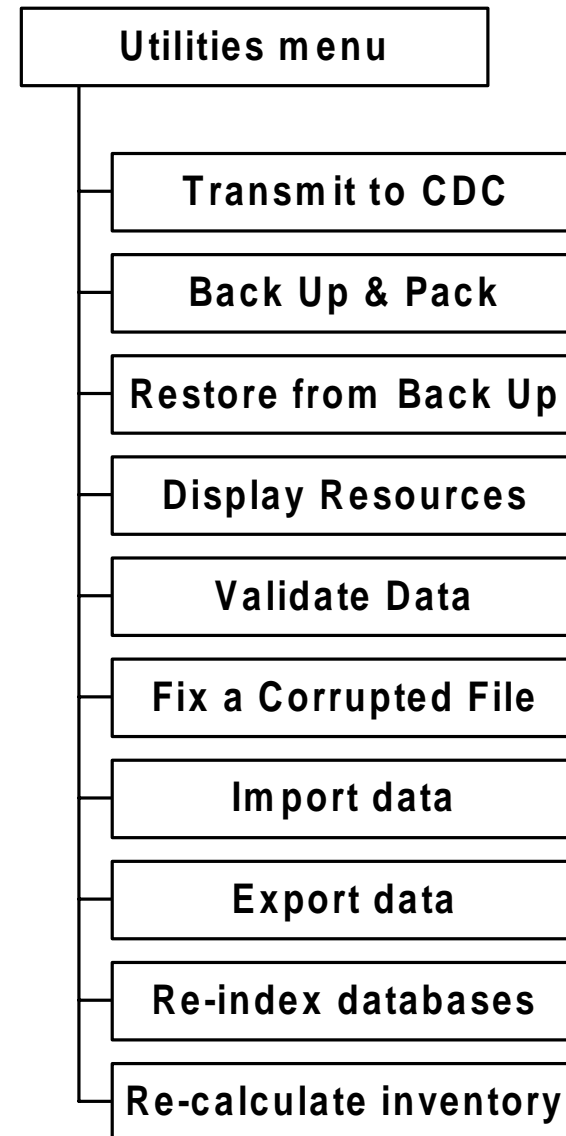
Reports menu

- Distribution
- Providers
- Bulk Orders & Inventory
- Provider Inventory
- Doses Administered
- Invoices & Forms
 - Shipping Invoices
 - Provider Order Forms
 - Return Address Labels
- Setup
 - Vaccine Depots
 - Vaccine Types
 - Vaccine (Bulk Order) Contracts
 - Vaccine Suppliers
 - Funding Sources & Amounts
 - Funding Transactions
 - Zip Codes
 - Subdivisions

VACMAN utilities



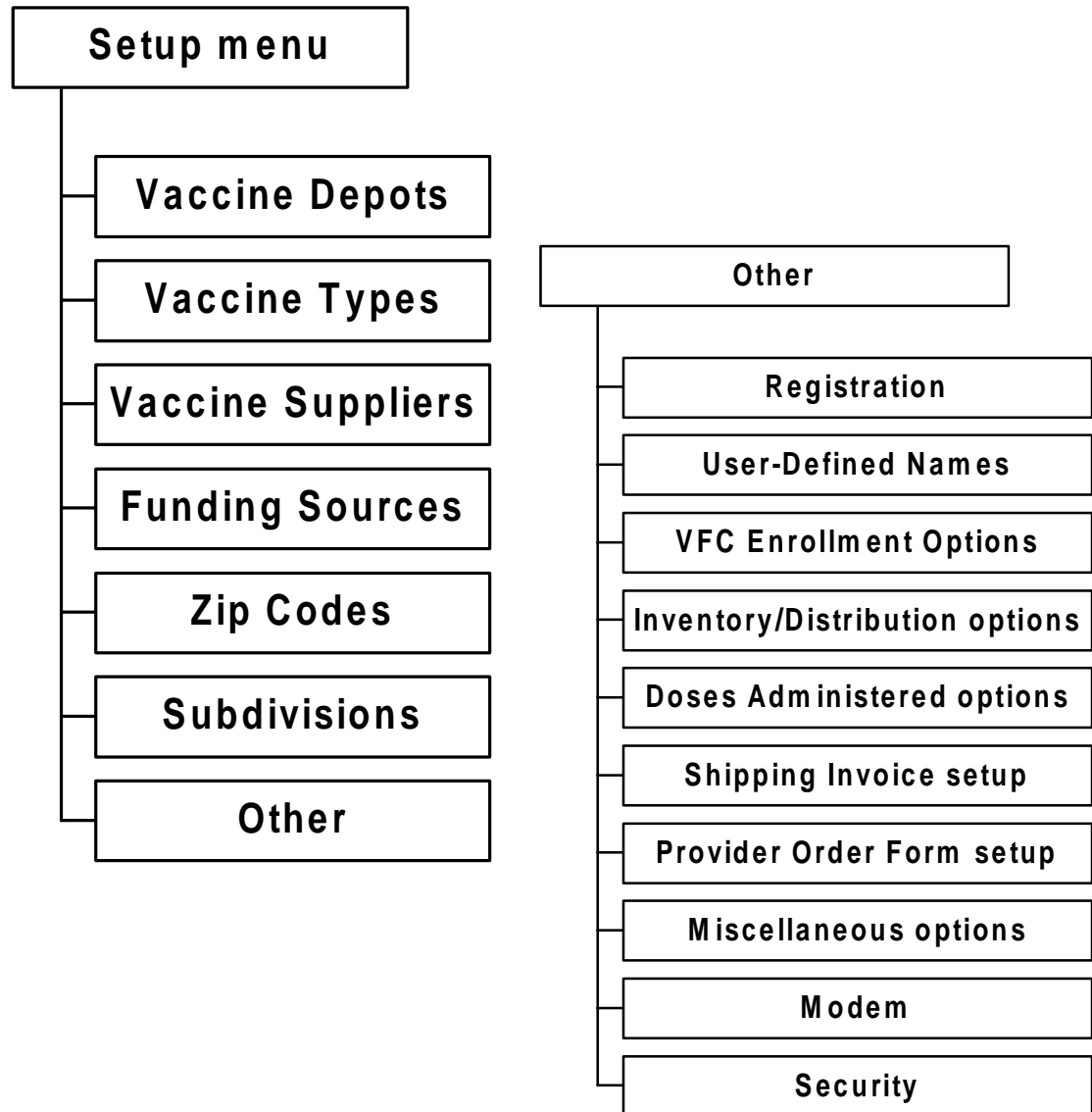
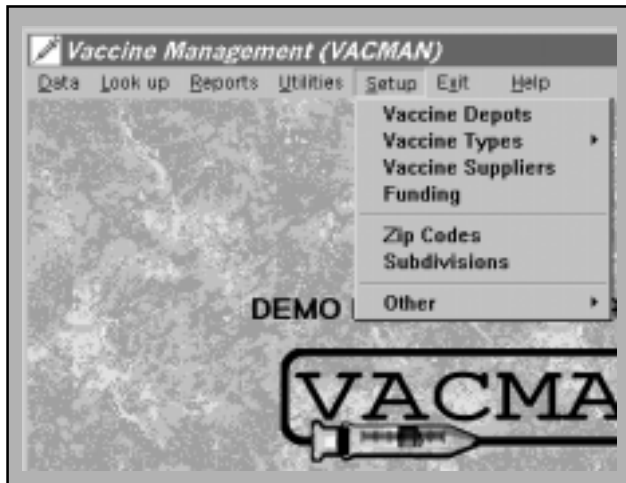
Other:
* *Lot Hist*
* *Area Code*



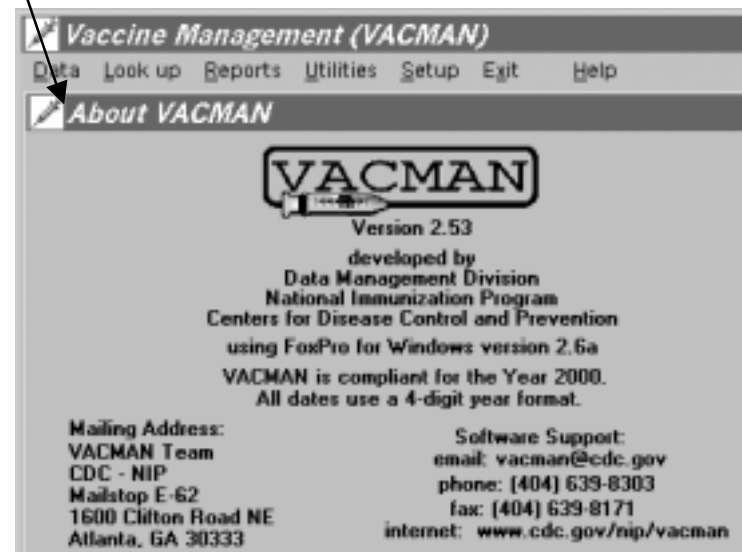
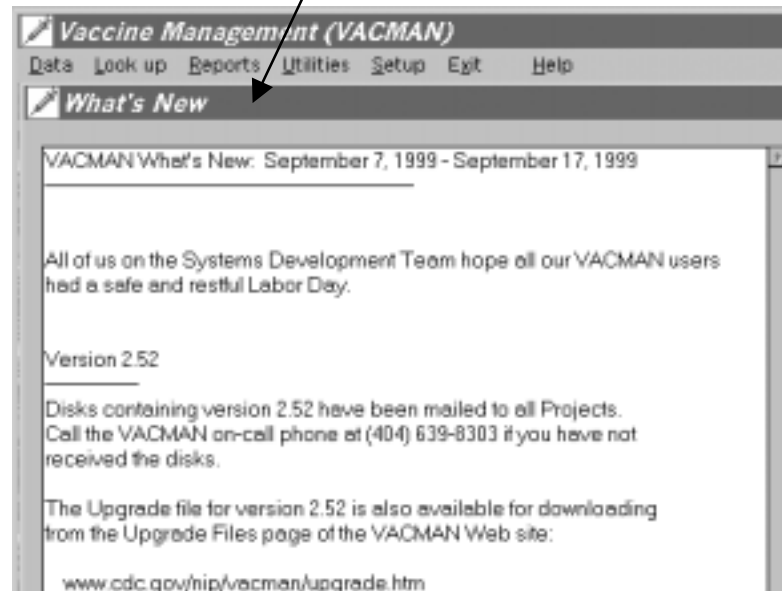
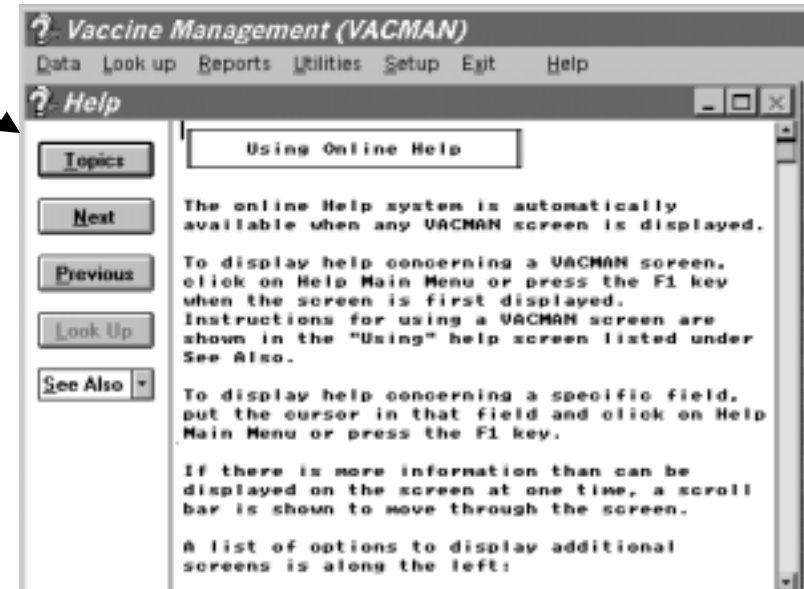
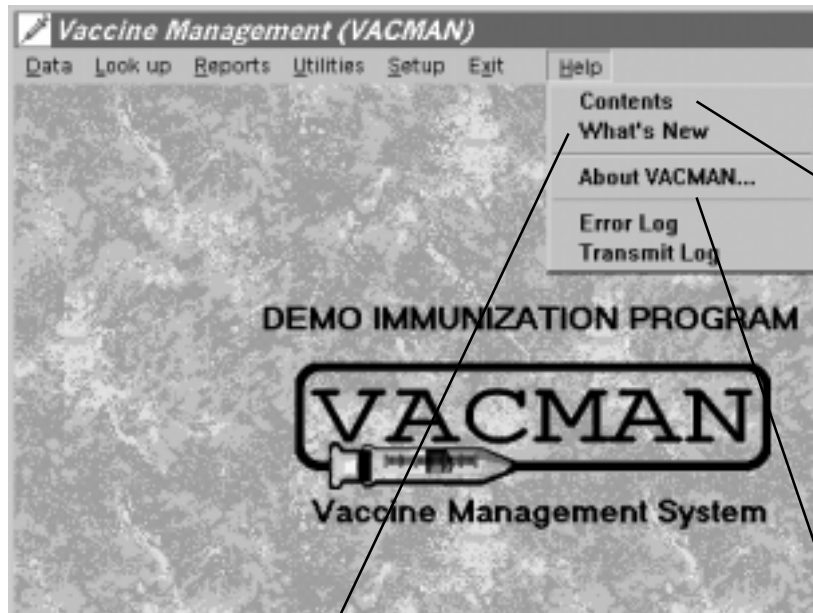
VACMAN

Setup

(data entry
screens
used
infrequently)



Help Menu



(blank)

Data Entry Screen (Bulk Orders via CDC)

Menu options limited to Look Up, Exit, Help

Vaccine Management (VACMAN)

Data Look up Reports Utilities Setup Exit Help

Bulk Orders via CDC

Date Entered: 02/04/2000 Friday Transmitted: / /

Order Number: Status:

Ship to (PIN): 999998 CDC PO / Date: 0 / /

STATE IMMUNIZATION PROGRAM Doses Approved: 0

Vaccine: HEP A Contract:

Hepatitis A Pediatric - VAQTA Est. Cost: \$11.15 (\$112)

Manufacturer: MSD

Doses: 10

Funding Code: 1 VFC

Repeat State PO:

Date Received: / / Time: : Receipt data transmitted: / /

Received By: Lot Number: changed: / /

Expiration: / /

Doses Received: 0 Size: 5 Vials: 0

Doses Available: 0 CARRIER:

Notes:

Shipping Info. This P.O. Add Another Lot View Distribution Shortcuts \$

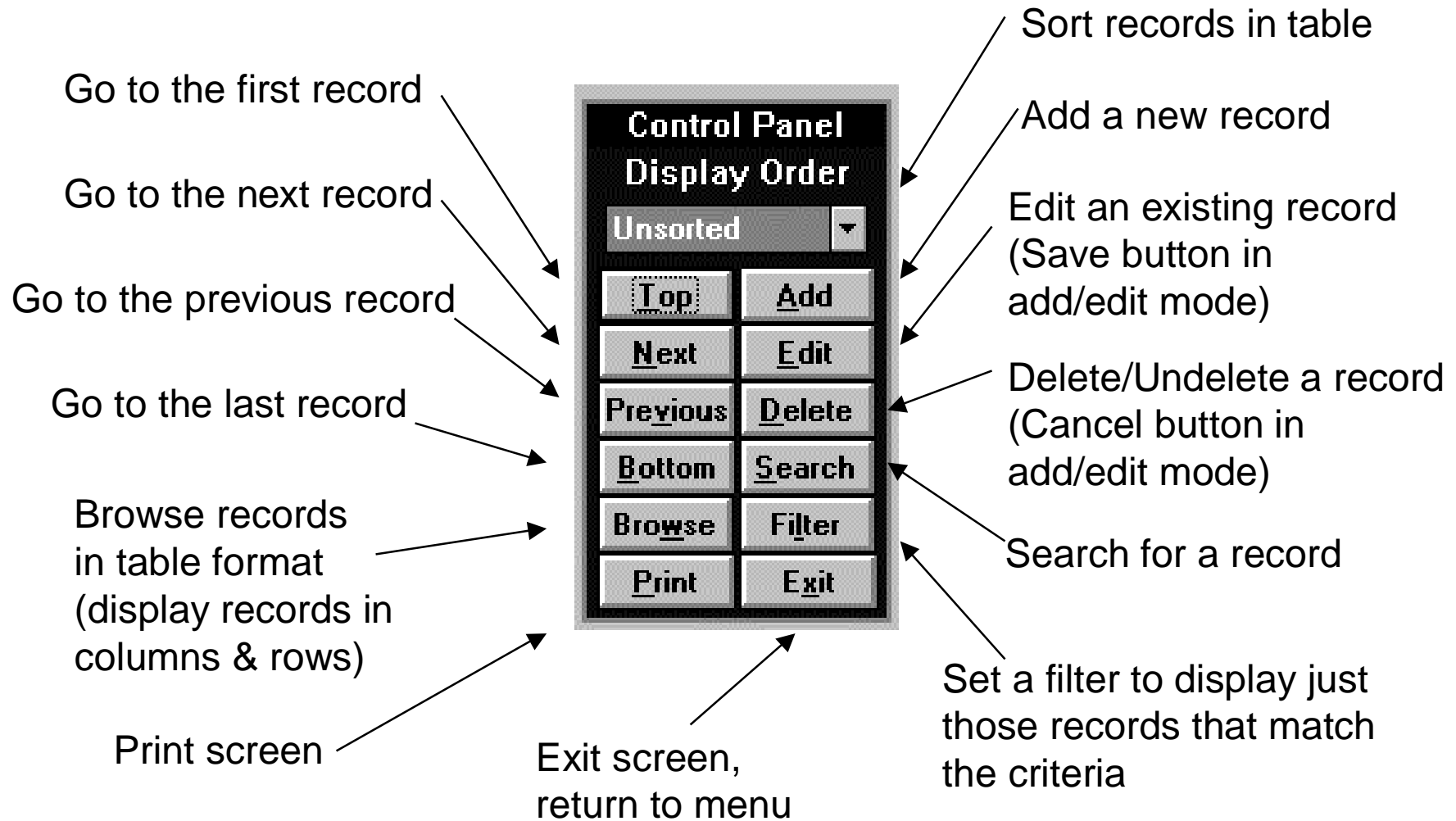
Control Panel
Display Order
Unsorted
Top Add
Next Edit
Previous Delete
Bottom Search
Browse Filter
Print Exit

*Control Panel
(navigation
tools, etc.).
Standard for
each data
entry screen.*

*Control buttons.
Different for each data entry screen.*

Control Panel

(on VACMAN data entry screens)



VACMAN Report Criteria Selection Screen

Date Range:
VFC Cert. Date for Lists of Providers;
Receipt Date for Reports of Inventory Rcv'd;
Inventory Date for Inventory on Hand Report;
Ship Date for Distribution Reports, etc.

Report options for specific reports.
I.e., for List of Providers, select the report layout

Provider PIN range
(not applicable to Inventory Reports)

Sort Order for report

Vaccine Depots (Inventory and Distribution Rpts)

Vaccine code and Lot Number
(where applicable)

Provider Sector (Classification Code, I.e., 10, 22; or Public/Private/All Providers)

Funding Code (Inventory Received Rpts only)

Subdivisions

Dose in Series (Doses Admin Rpts only)

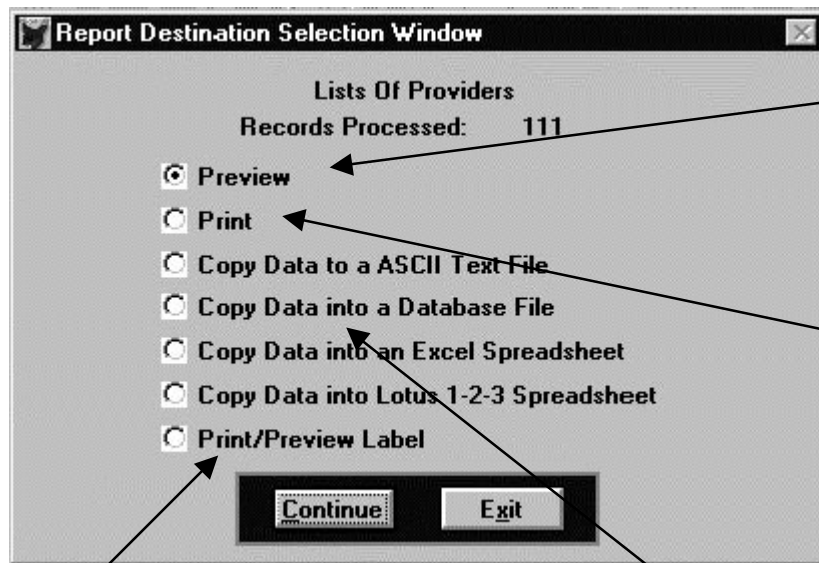
Active or Inactive (or All) Providers (where applicable)

City in Shipping Address (where applicable)

User Defined Provider Categories

Sector	County	Category1	Category2	Category3	Regions	Active	City
3 - ALL	ALL	ALL	ALL	ALL	ALL	ACTIVE	ALL

VACMAN Report Destination Screen



Preview on screen:
display next or previous page,
or display a specific page;
zoom in and zoom out

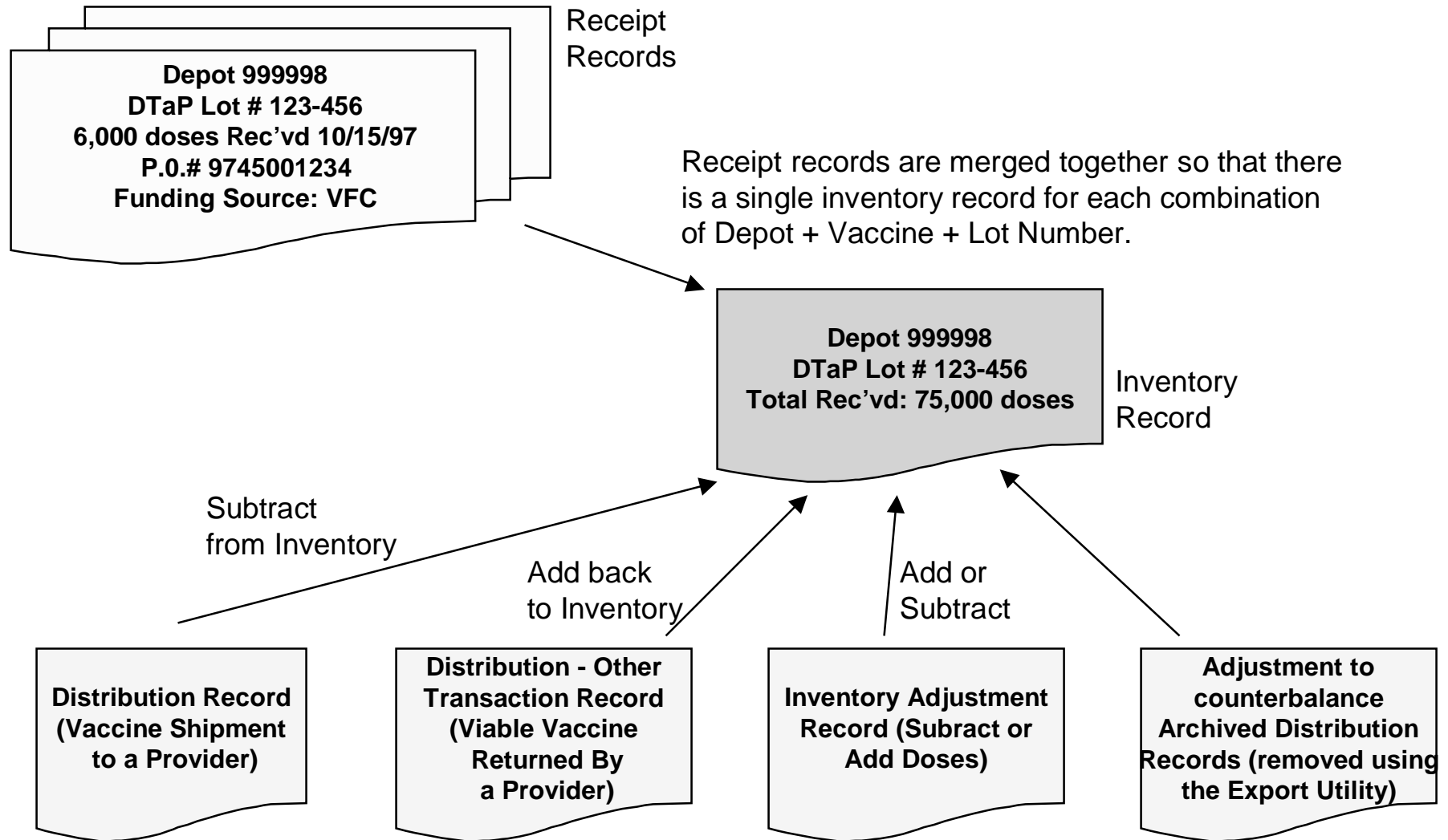
Print report to any printer defined
in Windows Print Setup.
Print all pages, or print a range
of pages; Print multiple copies;
Collate.

Print/Preview labels with shipping
or mailing address; select from
assorted label sizes. (applicable
for all reports containing Providers)

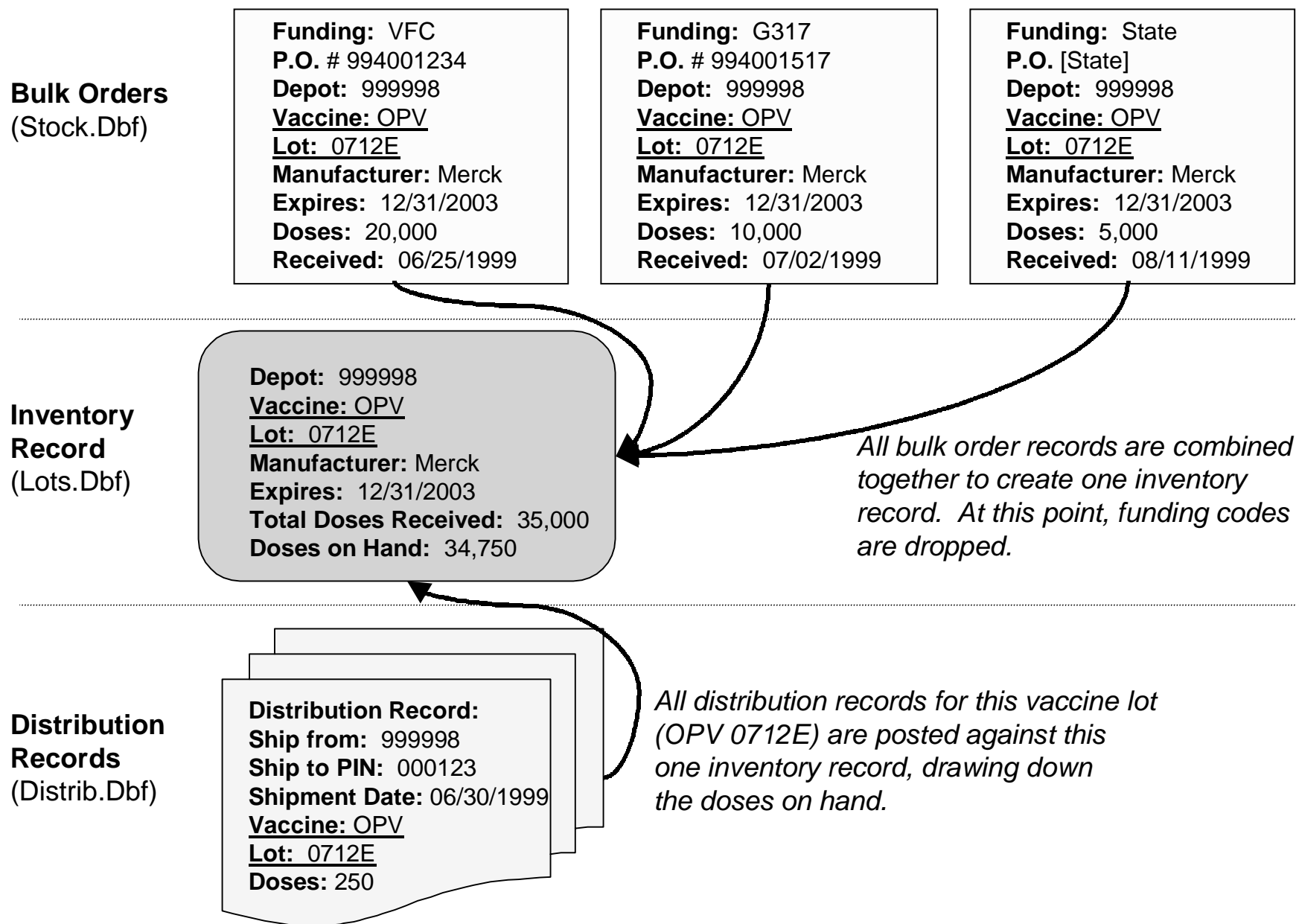
Copy the report data to a diskette or
other location (a Windows "Save As"
screen is displayed to select the file
destination).

How VACMAN calculates Inventory on Hand

Vaccine receipts are entered into VACMAN using two data entry screens:
(1) Bulk Orders via CDC
(2) Other Inventory



Why funding codes are dropped from inventory-on-hand and distribution in VACMAN:

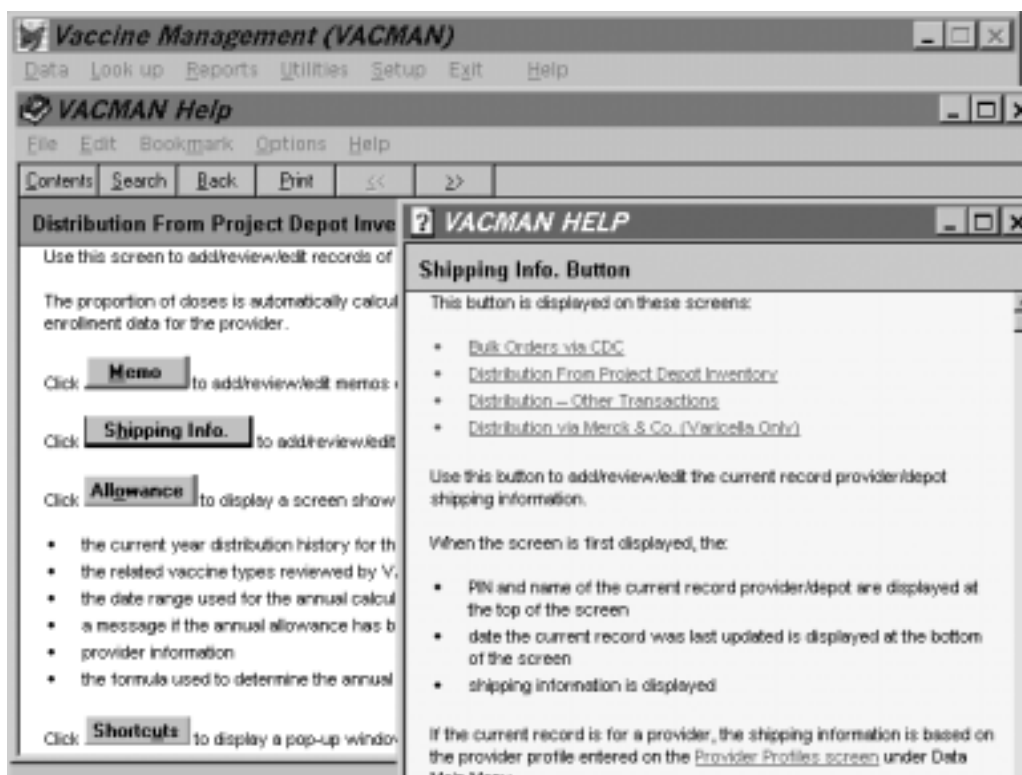


Help!



* **VACMAN Help Desk** (404) 639-8303
Emergency (404) 639-8245
Fax (404) 639-8171
Email vacman@cdc.gov

* **Vaccine Order Processing**
Bob Snyder, Gary Coil, JoAnn Fortner
(404) 639-8222



* **On-line help (to be revised, summer 2000)**

* **VACMAN Users Guide**
(approx. 475 pages)

* **Web site**
www.cdc.gov/nip/vacman



What's Cookin' ?

- * VACMAN version 2.60 - Summer 2000?
 - new on-line help
 - ability to select vial size for bulk orders
 - still a 16-bit (Windows 3.1) application

- * 32-bit VACMAN - January 2001?
 - true Windows 95/98/NT application, using Visual FoxPro
 - faster, more stable
 - powerful new features for navigation, search, multiple screens

- * Re-design of vaccine ordering system (including VACMAN)
 - major effort, currently underway, may take 2 years or more